

20030814.qrp v03_n012.qrl.20030814

Date: Thu, 14 Aug 2003 19:03:14 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3012

QRP-L Digest 3012

Topics covered in this issue include:

- 1) [156200] For Sale: KAT-2 & KIO-2
by Hank Kohl K8DD <k8dd@arrl.net>
- 2) [156201] ZK1/S, SOUTH COOK ISLANDS. "Team Vertical"
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 3) [156202] Re: Fox - Summer Fox Hunt Final Results -
by "George, W5YR" <w5yr@att.net>
- 4) [156203] Building the St. Louis Switcher
by Ken Brown <hfbeacons@juno.com>
- 5) [156204] Re: Blocking zero VDC
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 6) [156205] Re: BPL is a bad threat, not narrowband ---covers ALL bands

Suggested DSP test

- by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [156206] BLT Tuner is a winner
by Jim Cluett <w1pid@yahoo.com>
- 8) [156207] Re: Germany drops Morse requirement
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 9) [156208] SWR meter question via Stockton circuit &c
by "Nils R. Young" <nilsbull@juno.com>
- 10) [156209] For Sale: KAT-2 & KIO-2
by Hank Kohl K8DD <k8dd@arrl.net>
- 11) [156210] SUSE copy
by "John" <digi2@earthlink.net>
- 12) [156211] FINAL CALL - KG6CYN DDS - Mini Circuits ERA-1SM Group Buy
by "Gene - NN7CK" <nn7ck@mindspring.com>
- 13) [156212] Emergency comms by hams now given new international standing by WARC
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 14) [156213] Re: Squegging PA
by "Leon Heller" <leon_heller@hotmail.com>
- 15) [156214] NEQRP CW Net, Thursday, 14 Aug 03, 08:30 PM EDT, 3.566 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 16) [156215] More wine anyone? Non Linear Acoustics
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 17) [156216] Results from Tuesday's NEQRP 40M SSB Net
by Chuck Ludinsky <cjl@mitre.org>
- 18) [156217] Re: Fox - Summer Fox Hunt Final Results -
by "George, W5YR" <w5yr@att.net>

- 19) [156218] Re: ~ NorCal Keyer ~
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 20) [156219] Your action is needed on BPL issue
by Cosy MUTO <jh5esm@hotmail.com>
- 21) [156220] Re: Model airplane spans Atlantic!!!
by "Chris Trask" <chistrask@earthlink.net>
- 22) [156221] Re: BPL is NOT just an American problem
by Cosy MUTO <jh5esm@hotmail.com>
- 23) [156222] Attention AmQRP "Homebrewer" Subscribers
by "Doug Hendricks" <ki6ds@dospalos.org>
- 24) [156223] Re: Model airplane spans Atlantic!!!
by "DTX" <dtx@wood.tzo.com>
- 25) [156224] NK0E Serial CW Sender Kit
by "Tom Bowman" <wa3rey@comcast.net>
- 26) [156225] Re: NK0E Serial CW Sender Kit
by "Dave Ek" <ekdave@earthlink.net>
- 27) [156226] RE: Model airplane spans Atlantic!!!
by "AI2Q" <ai2q@adelphia.net>
- 28) [156227] For Sale
by Bob Patten <n4bp@bellsouth.net>
- 29) [156228] Re: Squegging PA
by "Noyce, Bill" <william.noyce@hp.com>
- 30) [156229] Wilderness Radio?
by "K.C. Alewine" <kca@cfu.net>
- 31) [156230] KAF2 Sold
by Bob Patten <n4bp@bellsouth.net>
- 32) [156231] OT: Cellular phone antenna
by Ken Brown <hfbeacons@juno.com>
- 33) [156232] RE: Model airplane spans Atlantic!!!
by Peter Burbank <peterlee@qx.net>
- 34) [156233] Re: Wilderness Radio?
by Jimmy Lee <jrlaudio@bellsouth.net>
- 35) [156234] Re: Squegging PA
by "Leon Heller" <leon_heller@hotmail.com>
- 36) [156235] Re: Germany drops Morse requirement
by Bruce Rattray <rattray@gpfn.sk.ca>
- 37) [156236] Re: Squegging PA
by "Dave Benson" <nn1g@earthlink.net>
- 38) [156237] RE: Model airplane spans Atlantic!!!
by "AI2Q" <ai2q@adelphia.net>
- 39) [156238] RE: Squegging PA
by "Ian Wilson" <ianmwilson@earthlink.net>
- 40) [156239] Re: Cellular phone antenna
by "Mike Yetzko" <myetzko@insydesw.com>
- 41) [156240] The last items for sale list
by K7VO <k7vo@earthlink.net>
- 42) [156241] 13.8 VDC needs bleeder resistor?
by "Tom Bowman" <wa3rey@comcast.net>

- 43) [156242] FOX; Final log N0ur
by "Jim N0UR" <n0ur@comcast.net>
- 44) [156243] FS: TS 570D/G
by WAYNE SMITH <k8ff@juno.com>
- 45) [156244] HT connector adaptor??
by James Stamper <jstamper@shentel.net>
- 46) [156245] RE: HT connector adaptor??
by "Altenburg, Robert" <raltenburg@state.pa.us>
- 47) [156246] Items sold, still available
by K7VO <k7vo@earthlink.net>
- 48) [156247] AOL 8.0 and HTML
by Jim Eshleman <jce0@Lehigh.EDU>
- 49) [156248] Re: Model airplane spans Atlantic!!!
by "Chris Trask" <chistrask@earthlink.net>
- 50) [156249] Re: HT connector adaptor??
by "Don Jackson (AE5K)" <don@azark.com>
- 51) [156250] Mizuho KX-3 available (again!)
by K7VO <k7vo@earthlink.net>
- 52) [156251] Re: Emergency comms by hams now given new international standing by
WARC & BPL
by Steve.Lawrence@itwfeg.com
- 53) [156252] Re: HT connector adaptor??
by "Noyce, Bill" <william.noyce@hp.com>
- 54) [156253] Re: 13.8 VDC needs bleeder resistor?
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [156254] Re: AOL 8.0 and HTML
by Steve Smith <sigcom@juno.com>
- 56) [156255] Simple SSB rig with PTT.
by Steven Weber <kd1jv@moose.ncia.net>
- 57) [156256] Re: HT connector adaptor??
by "Mike Yetsko" <myetsko@insydesw.com>
- 58) [156257] Re: HT connector adaptor??
by "Mike Yetsko" <myetsko@insydesw.com>
- 59) [156258] Homebrewer & ARRL Contest Award
by "Bill Rowlett" <kc4atu@hotmail.com>
- 60) [156259] Re: Squegging PA & NFB Vs frequency
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 61) [156260] RE: Homebrewer & ARRL Contest Award
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 62) [156261] Re: Attention AmQRP "Homebrewer" Subscribers
by "Larry Przyborowski" <k3peg@comcast.net>
- 63) [156262] OT: Massive Northeast US/Southeast Canada Power Outage
by "Chris Trask" <chistrask@earthlink.net>
- 64) [156263] Major Solar Flare
by "Chris Trask" <chistrask@earthlink.net>

Date: Wed, 13 Aug 2003 18:51:35 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: eleccraft@mailman.qth.net, qrp-l@lehigh.edu
Subject: [156200] For Sale: KAT-2 & KIO-2
Message-ID: <5.1.0.14.2.20030813184810.03953ba8@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For Sale:

A KAT-2 and KIO-2 mounted on a K2 top cover with
the speaker and all the wiring.

\$225 includes shipping to the US (all 50 states!)

73 Hank K8DD

Date: Wed, 13 Aug 2003 16:13:37 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [156201] ZK1/S, SOUTH COOK ISLANDS. "Team Vertical"
Message-ID: <3F3AC621.9030208@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

ZK1/S, SOUTH COOK ISLANDS. "Team Vertical" is on the DX trail again. This time they are headed to Rarotonga, South Cook Islands (OC-013), and will be active between August 18-27th. Operators will be: Bill/K6KM (ZK1T00), Mark/AG9A (ZK1KAT), Ralph/K9ZO (ZK1Z00) and Kenny/K2KW (ZK1TTT). Activity is limited to 40-10 meters on CW/SSB. Two stations will be active when snorkeling permits, using 2 x Elecraft K2/100, and Force 12 vertical antennas on the beach. The station is on the northeast side of the island, with water paths to all the major population centers. The team will make extra efforts to work Europeans, since ZK1/s is a difficult path for them. QSL all ops via Kappy, WA4WTG.

From the The OPDX Bulletin by KB8NW/OPDX

Date: Wed, 13 Aug 2003 18:29:17 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 <rattray@gpfn.sk.ca>

Cc: "NETXQRP" <netxqrp@mailman.qth.net>
Subject: [156202] Re: Fox - Summer Fox Hunt Final Results -
Message-ID: <008f01c361f2\$b8054980\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, Bruce - although the NE-TX Tornados do not have an official "leader"
I will take this opportunity to thank you and the Committee for making our
fun possible.

And to thank the Cajun Thunder for being worthy opponents who kept us on our
toes. And finally all the Foxii who spent all those hours digging us out of
the mud.

See you all this Fall. The Tornados have been challenged to repeat their
2002/2003 National Championship again for 2003/2004 - you can bet that we
will be in there trying out best!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Bruce Rattray" <rattray@gpfn.sk.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 13, 2003 1:38 PM
Subject: Fox - Summer Fox Hunt Final Results -

>
> Hi folks!...well it comes as no surprise that I officially announce that
> the NE-TX Tornados of Lew,N5ZE, Joe,KK5NA, Wayne,K5KDJ, Doc,W5TB and
> George,W5YR are the winners of this Summer's Fox Hunt, Team Competition!
> This Team took off from the starting line and never looked back!...well
> done everyone...
> The Cajun Thunder Team, consisting of Wayne,K5E0A, Vern,AA50, Wayne,N5YFC,
> Jim,N5IB and Mike,VA6MJT took the second place spot...well done
> gentlemen!...
> ...now it's time to rest up for the Winter 40 mtr hunt eh!?... ;-)
>

>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>

Date: Wed, 13 Aug 2003 16:45:49 PDT
From: Ken Brown <hfbeacons@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [156203] Building the St. Louis Switcher
Message-ID: <20030813.234406.7575.1.HFBEACONS@juno.com>

QST May 2002 p. 35
If RF hash is a problem, the author used an FT140-43
ferrite toroid on the output 12 volt wires. About 12 to
15 turns in the ferrite toroid should do it.
Other changes made were a panel-mounted fuse holder,
and a 5-A toggle switch on the hot side of the AC line.
>From George Heron, n2apb@amsat.org

Ken Brown N4SO
Mobile, AL EM50tk
HFBEACONS@juno.com

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 13 Aug 2003 18:49:19 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156204] Re: Blocking zero VDC
Message-ID: <009801c36206\$4704f960\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the various suggestions and observations.

Three guys said just put two electros, twice the required C, in series. I don't understand how that would work. It seems like each cap would see the same value of AC current that a single, half sized cap would see, and there would be no DC bias.

The trick of tying the center to a bus with a large resistor sounds good.

Some suggested that since the time averaged voltage (current) is zero, it ought to be OK. That's kind of what I hoped, but who knows. I understand that the correct polarity voltage "forms", and maintains the insulating coating on one plate. Maybe the damage done in one half cycle is un-done in the other half. But that sounds like wishful thinking.

Bottom line, I should have thought of that before I started building.

Speaking of Cs and such--that simple device (o'scope required) to measure (or at least evaluate) the ESR of in-circuit capacitors in the new QST looks pretty neat.

72--Nick, WA5BDU

Date: Wed, 13 Aug 2003 18:46:58 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Walt Amos" <waltk8cvamosqrp@gbronline.com>, <qrp-1@Lehigh.EDU>
Subject: [156205] Re: BPL is a bad threat, not narrowband ---covers ALL bands
Suggested DSP test
Message-ID: <009201c361f5\$2f8fa250\$4e100a0a@rohredt2000>

That is an interesting experiment someone could do. Download the Ed Hare video/audio and run it thru some of the presently available DSP boxes made for ham radio. The random nature of the one type of modulation that sounds like an arcing power line, is going to be a challenge!

72, Stuart
K5KVH

Date: Wed, 13 Aug 2003 17:06:06 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-1@lehigh.edu

Subject: [156206] BLT Tuner is a winner
Message-ID: <20030814000606.91937.qmail@web11603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

BLT Success

I received the Norcal BLT tuner in the mail the day before yesterday and put it together that evening. The new case is stunning and the tuner is a full-fledged, field-ready tuner.

I realized it wasn't quite right, and I went back over the wiring diagram and made a couple of significant fixes. Even then, it tuned fine on 40 but not on 20, and I knew something was still wrong. Today I went through the directions again and noticed that I hadn't opened up the trimmers on the variable caps. After doing that, it worked just perfectly both on 40 and on 20.

I hoisted a 44 foot dipole fed with 300 twin lead in the yard to test it this afternoon. Went up as an inverted Vee to about 20 feet in the center. Hooked up the MFJ Cub and the BLT and worked the Azores! 559.

A fantastic little tuner. Much smaller than the ZM-2. A perfect match for an SST. 73 Jim W1PID

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Wed, 13 Aug 2003 19:48:39 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Leon Heller <leon_heller@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156207] Re: Germany drops Morse requirement
Message-ID: <20030813194005.K76401-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 13 Aug 2003, Leon Heller wrote:

> I see from the RSGB news that Germany is the latest country to drop the
> Morse requirement for HF operation. Belgium dropped it a couple of weeks
> ago.

Well, look at this way...with no incentive to learn CW, a lot of new hams
will operate phone....and most likley QRO....

So, when BPL wipes out all but the strongest signals, the new hams won't
know enough to miss CW, QRP or even QSB!

Right now, I working on software for my server that will allow cw only
communications, and since the spectrum will be polluted, you will be able
to select the level of QSB, QRM and QRN you want for a session.

If someone wants to "kit up" a web/telnet transceiver, I'll be happy to
mention it on the site.

Just think of the possibilities:

Can't work (Fill in the Blank) because of BPL?

The NOBPL transceiver adaptor - converts now
useless RF radio sets to the new Internet NORF mode.

Tired of renewing that now useless Amateur Radio call sign?
Get your callsign@NORF.COM before someone else takes it.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Wed, 13 Aug 2003 20:19:43 -0400
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [156208] SWR meter question via Stockton circuit &c
Message-ID: <20030813.202712.-319921.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Gang,

Ok, I found a meter that has the cross wire needle thingie so I can be up-to-date & bigtime about it. The next question is:

I've built a half-dozen-odd Stockton circuits but always had trouble 'cause I only had a single meter movement. (Yeah, I know: put two meters in the box, dummy!). The windings on one or the other (can't remember & ain't about to begin) smoked & shorted out & all that nasty stuff.

So . . . I've got the original circuit out of Sprat #61, page 12 & I'm comparing it to the circuit that Uli Graf (DK4SX) wrote about in QRP-Report 3-2000, page 4. Uli has 38 pf caps on the ends of both the RF line runnin' from the transmitter to the load AND on the lines that end up going to the two diodes & all that.

Uli says that (if I'm reading this right) the 39 pf caps are compensation for the inductive circuit that's part of the meter & the RF path at the highest intended frequency. With sensitivity at -26 db at 30 MHz and -22 dB at 55 MHz.

And I quote: "Die an den jeweiligen Leitungsenden gegen Masse geschalteten 39-pf-Kondensatoren dienen der Kompensation der induktiven Blindanteile der jeweiligen Leitung (des jeweiligen Trafos) bei der höchsten Betriebsfrequenz. [I knew there was an umlaut in there somewhere!] Dadurch hat das SWR-Meter selbst eine Anpassung von besser -26dB (-22 dB) bis 30 MHz (55 MHz)".

Looking at it this way, if I manage to do this without blowing up the meter (oh yeah, I wanna watch that!), I can use the circuit up to 6m.

Which makes me wonder if I might not be able to cobble something together for 2m . . . if I'm feeling particularly foolish. Nah. Better scratch that idea. Leaving me only with:

Should I put the 39 pf caps in there or not? I'm getting kinda lame on patience when it comes to making things work any more & building the Stockton circuit, even as simple as it looks on paper, always drives me nuts trying to keep which end of what winding goes to ground and whether or not I should feed the cats before I put my clothes on the bottom peg, unless my brother is getting a hair cut . . .

Eh? Besides, I figure you crazies will know more 'n me about this & all that.

73

Nils

. . . marvelous VHF openings around here the past couple days. Sure wish I had the 6m and 2m beams up on a tower and not in the attic. . . although it is easier to turn 'em that way . . . not having a rotator and all that . . .

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
-- <http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
--

"If you can see this, thank a trilobite!"

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 13 Aug 2003 20:43:18 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: elecrafft@mailman.qth.net, qrp-l@lehigh.edu
Subject: [156209] For Sale: KAT-2 & KIO-2
Message-ID: <5.1.0.14.2.20030813204237.03967008@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For Sale:
A KAT-2 and KIO-2 mounted on a K2 top cover with
the speaker and all the wiring.

\$225 includes shipping to the US (all 50 states!)

73 Hank K8DD

*/
*/ Hank Kohl K8DD k8dd@arrl.net
*/

Date: Wed, 13 Aug 2003 17:50:27 -0700
From: "John" <digi2@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [156210] SUSE copy
Message-ID: <000701c361fe\$0dd73160\$6401a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

I have received my SUSE copy from Bob, W7AVK and have made the two copies. One copy has already been handed out to N7DME and I will be keeping the second one for myself. This means that the copy Bob sent me will be going out to the first person who sends me a request with their mailing address.

I did the install on an ASUS motherboard with a 800mhz Duran processor. Everything seemed to go well except I didn't answer one question about NIS because I have no idea what NIS is. I now have a lot of learning to look forward to since I have no Linux experience.

John K7SVV

Date: Mon, 13 Oct 2003 21:13:20 -0400
From: "Gene - NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <nn7ck@arrl.net>
Subject: [156211] FINAL CALL - KG6CYN DDS - Mini Circuits ERA-1SM Group Buy
Message-ID: <005e01c391f0\$5b7e7aa0\$0902a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The order for the Mini Circuits ERA-1SM chips will be placed early next week.

The chips are \$1.42 each plus 25 cents per order for shipping from Mini Circuits.

If you still need this part and have not already joined email me off line.

This will be the last on-list posting for this item.

Gene ... NN7CK

Date: Wed, 13 Aug 2003 20:11:11 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Julian, G4ILO" <g4ilo@qsl.net>, <qrp-1@Lehigh.EDU>
Subject: [156212] Emergency comms by hams now given new international standing by WARC
Message-ID: <01fb01c36200\$f31b4ac0\$4e100a0a@rohredt2000>

While some licensing authorities in the past may not have used the service aspect of amateur radio, they now have an incentive in the new regulations just passed by the WARC conference. See the part about facilitating international emergency communications. All licensing authorities signed on to this at the summer meeting.

72,
Stuart
K5KVH

Date: Thu, 14 Aug 2003 01:27:02 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: ianmwilson@earthlink.net, qrp-1@Lehigh.EDU
Subject: [156213] Re: Squegging PA
Message-ID: <Law15-F48zsLqIfQdmE000000494@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Ian Wilson" <ianmwilson@earthlink.net>
>Reply-To: <ianmwilson@earthlink.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Squegging PA
>Date: Wed, 13 Aug 2003 14:58:05 -0700
>
>No, not Squegging, PA nor yet Scotland, PA.
>
>I'm working on the output side of a 6m transverter. At present it
>consists of 3 stages. The output and driver transistors are 175MHz
>devices taken from an old Yaesu commercial handheld. The load is a 5 ohm
>resistor; power supply is 13.8v. I'm aiming at about 5w output which
>should be easy for the output device (2SC2627).
>
>The predriver is a standard feedback amp from Solid State Design.
>

>The predriver feeds the driver through a bifilar transformer giving 4:1
>impedance matching.
>
>Power to each stage is thru a small resistor with capacitors(s) to
>ground. There is also an RF choke in the connection to the predriver
>stage.
>
>The main problem I have is that the amplifier likes to oscillate a
>frequency considerably lower than 50MHz. The problem gets worse as the
>gain increases (naturally), for example, when I improve the matching
>between the driver and output stages.

Coincidentally, I noticed something about this problem yesterday in the 2001 Handbook (p. 13.27). A smidgeon of negative feedback using a series R and C between the collector and base should cure it. The NFB increases at lower frequencies, reducing the gain.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Use MSN Messenger to send music and pics to your friends
<http://www.msn.co.uk/messenger>

Date: Wed, 13 Aug 2003 21:38:54 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [156214] NEQRP CW Net, Thursday, 14 Aug 03, 08:30 PM EDT, 3.566 MHz
Message-ID: <3F3AE82E.1050703@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 14 August 2003, at 8:30 PM EDT (00:30Z, 15 August 03) on or near 3.566 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

With a continuation of our monsoon season and the resulting thunderstorm activity, we had lots of QRN; nonetheless, we had a good net with a total of 10 participants:

NA1XX	Mike	N. Weymouth, MA	479
WB1HBE	John	Chelmsford, MA	599
W1PID	Jim	Sanbornton, NH	599
WA8BXN	Mike	nr Cleveland, OH	359
N1CUU	Carl	nr Gettysburg, PA	579
VE3KQN	Jim	ON	369
W1KRT	Ken	Springfield, NH	369
W2SH	Charles	Millington, NJ	599
K1RC	John	Dracut, MA	599
K1CL	Chuck	Chelmsford, MA	net op

Thanks to everyone for an excellent net, and hope to hear you all again this week.

72 DE K1CL,
Chuck

Date: Wed, 13 Aug 2003 20:50:58 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <n2cx@voicenet.com>, <qrp-1@Lehigh.EDU>
Subject: [156215] More wine anyone? Non Linear Acoustics
Message-ID: <024501c36206\$82083e50\$4e100a0a@rohredt2000>

Joe,
The company now trying to exploit this 33 year old technology is using research that was done here about the time I started work at Applied Research. Non linear acoustics is the principle they are trying to commercialize. The Navy (and all you tax payers) paid for a lot of work on this here in the 1970's and contrary to what the commercial company is claiming, it was demonstrated with two projectors which combined two ultrasonic signals and the difference then fell into the audible range. It was used for several sonar systems for very directional beams. I have the pleasure of retiring this month along with the lady who first wrote up the concept, (I guess you could say she was the inventor), back when she was student of our Acoustics guru, Dr. David Blackstock. If you look up in the Journal of Acoustics Society of America in the years from 1970 on up to '1976 or so, look for Mary Beth Bennett, David Blackstock, Mike Pestorius, and Tom Muir as authors on numerous papers on the non linear Acoustics implementation.

You take two audio frequencies above hearing, and when they are mixed at high power, you get sum and difference frequencies, and the difference can be in the audible range, in a narrow beam.

One of the problems is getting the two sources to approach a shock wave intensity at the same time. Mike Pestorius used to experiment starting at 6 PM. There was a standing wave node right at my desk, and I had to leave the building because his sound levels got to the threshold of pain. He burned out many an Electro Voice speaker driver in those days, getting his PhD! Unfortunately, this technology is the opposite of QRP.

72, Stuart
K5KVH

Date: Wed, 13 Aug 2003 21:55:16 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Cc: n1zsw@arrl.net
Subject: [156216] Results from Tuesday's NEQRP 40M SSB Net
Message-ID: <3F3AEC04.7080101@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Eight of us braved the noise and on/off thunderstorms on Tuesday night (12 Aug 03) to try QRP SSB on 40M. Operating on (or near) 7.288 MHz, we were surprised by comparatively good conditions. Even Ed, AB8DF, managed to sign in from Michigan and to get almost all of his message across. Here's the honor roll:

AB8DF	Ed	Waterford, MI	43
WA1OHR	Ev	Windom, CT	59
KC1FB	Jim	Norwalk, CT	59
AJ1J	Joe	Newton, MA	59
NA1XX	Mike	N. Weymouth, MA	58
WB3GCK	Craig	SE PA	45
K1RC	John	Dracut, MA	59
K1CL	Chuck	Chelmsford, MA	net op

Thanks to everyone for braving the elements and checking in. And, sorry, Craig for missing you on the first go-around. Hope to hear everyone next week -- same time, more or less same place.

72 DE K1CL,
Chuck

Date: Wed, 13 Aug 2003 21:20:57 -0500
From: "George, W5YR" <w5yr@att.net>
To: <n5ib@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156217] Re: Fox - Summer Fox Hunt Final Results -
Message-ID: <01ed01c3620a\$b2fb3b30\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, Jim, for such a nice note.

Please tell Uncle Guido that we are running as fast as we can!

See you in the Fall . . .

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "James R Giammanco" <n5ib@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 13, 2003 4:14 PM
Subject: Re: Fox - Summer Fox Hunt Final Results -

>
> On Wed, 13 Aug 2003 12:38:33 -0600 (CST) Bruce Rattray
> <rattray@gpfn.sk.ca> writes:
> >Hi folks!...well it comes as no surprise that I officially announce
> >that the NE-TX Tornados of Lew,N5ZE, Joe,KK5NA, Wayne,K5KDJ, Doc,W5TB
> and
> >George,W5YR are the winners of this Summer's Fox Hunt, Team
> >Competition!
>
> Heartiest congrats to the NE-TX Tornados! It was a fun hunt season.
> Thanks to Marshall, Doc, Bruce, the Foxii, and all the hunt gang for

> making 'em happen.
>
> One of these days we Cajuns will figure out how to top those Pesky
> Texans. Mayhaps I should speak to my Great Uncle Guido about letting bids
> on a contract for "pattern adjustment" on some Pesky Texan antennae
> :^))
>
> 72... see y'all in the winter hunts...'till then, let the good times
> roll...
>
> Jim N5IB
> The Cajun Thunder
>
>
>

> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 13 Aug 2003 22:50:58 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-1@lehigh.edu
Subject: [156218] Re: ~ NorCal Keyer ~
Message-ID: <5.2.0.9.1.20030813225042.027f2a58@pop.prodigy.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:09 AM 8/13/2003 -0800, Jim Larsen, AL7FS wrote:

>~ NorCal Keyer ~
>A Beginning Builder's Construction Guide
>
>Jim, I just have to ask. What kind of camera were you using for your
>pictures?

It's my old Olympus C2100UZ with a close up lens (+2 diopter) added. That camera uses a 2.1 megapixel imager. True 10X optical lens, and an image stabilizer if you need it.

> Did you use a two or more light stand?

No, the photos were shot with natural light inside the sunroom, with the flash running, but covered with a piece of 20 pound white paper to diffuse the light, and reduce the flash intensity. The camera to object distance varied from about 3 inches to perhaps 14 inches, depending on the size of the object. The camera was on a tripod for

all of the shots.

> How did you get the black background?

Its a piece of black velvet. I bought a yard at the fabric store. It sucks up excess light, and really makes the object being photographed pop. Not my idea; I stole it from a photojournalist I cycle with.

> Did you use your scanner for the parts pictures?

No, those are photographs, as are all of the images. All taken with the C2100UZ. One of the best cameras that Olumpus has ever produced. Still available on the used market I believe.

> Your write-up is first class.

Thanks. I did my best on a short deadline. Glad it turned out so well.

> A great contribution to QRP.

Again thanks. My pleasure to contribute to such a fun project.

>Thank you.

You bet. Thanks for writing Jim

72,

Jim, K8IQY

PS....I'm posting my answer back to you on QRP-L. Others may be interested in the photography equipment and setup used.

Date: Thu, 14 Aug 2003 11:55:16 +0900
From: Cosy MUTO <jh5esm@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [156219] Your action is needed on BPL issue
Message-ID: <0DiYvL55BF840000.jh5esm@hotmail.com>
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Following is extracted from a post on the other mailing list, which requests YOUR ACTION.

The deadline is August 20, so put your opinion to FCC as soon as you can!

72, Cosy

=====

How to E-Mail Comments to the FCC on the Notice of Inquiry for BPL

If you are concerned with the Broadband over Power Line (BPL) interference issue and have wondered how to E-Mail comments to the FCC, please read on. If you want to know more about BPL, please visit the ARRL web page at <http://www.arrl.org/> and download the video prepared by Ed Hare W1RFI.

Appended to this message are instruction notes from the FCC, two examples and a template you can copy/paste into your email program. The FCC is very picky about the format for incoming Electronic Comment Filing System (ECFS) E-Mail messages. I suggest you go to school on the format examples. One example came from the FCC and the other is a copy of my comments submitted to the FCC on the Broadband over Power Line Notice of Inquiry. Note the quote of the FCC's E-Mail acceptance of my comment. My example is for FORMAT ONLY. Please edit and change the <tagged> data and text to express your comments to the FCC on this topic.

Per the 8-Aug-03 ARRL Letter (Vol 22, No 31), the due date for comments on the Notice of Inquiry has been extended to August 20, 2003. Use the Notice of Inquiry number in the AA5VU example for the <PROCEEDING> number and be careful on how you enter the <DATE> of your filing.

If you have problems, visit <http://www.fcc.gov/cgb/ecfs/> to find out more about the FCC's Electronic Comment Filing System (ECFS).

Again, the deadline for comments on ET Docket No. 03-104 for BPL has been extended to August 20, 2003.

FCC Email submission rules:

```
*****
*****  ECFS INSTRUCTIONS FILE - SAMPLE - README  *****
*****
*****  EXPLANATION ONLY - DO NOT SEND IN THIS FILE  *****
*****
*****  REPEAT: DO NOT RE-SEND THIS FILE - IT IS ONLY A SAMPLE  *****
*****
*****
```

**
** Email submission rules:
**
** Email submissions should be sent to ecfs@fcc.gov.
** Email submissions will allow printable ASCII text only.
** Email submissions must be contained in the body of the e-mail,
** rather than attachments.
** Email submissions must contain only one document per submission,
** multiple documents will be ignored.
** Email submissions must adhere to the format of the
** Electronic Transmittal Form for Email filings.
**
** Email Filings must be accompanied by information
** containing the ECFS Document Index Terms. For automated processing
** via email, this must be computer readable. For this, you must use
** a free-format, computer-readable form, as described below,
** using SGML tags.
**
** The requested info is to be placed after the text in angle brackets.
**
** The tagged info should be contained on a single line.
** Change the text after the brackets.
**
** <PROCEEDING>, <NAME>, <ADDRESS1>, <CITY>, <STATE>, <ZIP>,
** <DOCUMENT-TYPE>, and <TEXT> are required.
**
** List of DOCUMENT TYPES:
** CO COMMENT
** ER ERRATUM
** MN MOTION
** PR PETITION FOR RECONSIDERATION
** RC REPLY TO COMMENTS
** RL REPLY
** RQ REQUEST
**
** For assistance in using ECFS, please contact: (202) 418-0193 or
** submit an email to: ECFSHELP@fcc.gov.
**
** For suggestions and comments regarding the system design and
** operation, please contact Bill Cline at bcline@fcc.gov or
** (202)418-0267, TTY (202) 418-2555.
**
** NOTE TO OUR INTERNATIONAL USERS SUBMITTING ELECTRONIC COMMENTS:
** To enable you to file electronically, please complete the required
** "City" and "Zip Code" fields. Type in "DC" as the state and "00000"
** as the zip.

<PROCEEDING> PUT-DOCKET-NUMBER or RULEMAKING-NUMBER HERE

<DATE>	FILED-DATE-IN-MM/DD/YY-FORMAT
<NAME>	APPLICANT-OR-PETITIONER-NAME
<ADDRESS1>	ADDRESS
<ADDRESS2>	ADDRESS
<CITY>	CITY
<STATE>	TWO-LETTER-STATE-CODE
<ZIP>	ZIPCODE
<LAW-FIRM>	LAW-FIRM
<ATTORNEY>	LAWYER-NAME
<FILE-NUMBER>	FILE-NUMBER
<DOCUMENT-TYPE>	TWO-LETTER-DOCUMENT-TYPE-CODE (See list of DOCUMENT TYPES)
<PHONE-NUMBER>	SENDER-PHONE-NUMBER
<DESCRIPTION>	EMAIL-COMMENT
<CONTACT-EMAIL>	EMAIL-ADDRESS-RESPONSE-DESTINATION
<TEXT>	ACTUAL TEXT OF MESSAGE...

Dear FCC...

Example 1 (individual):

```

<PROCEEDING> 00-221
<DATE> 6/12/01
<NAME> John P. Doe
<ADDRESS1> 123 Kennedy Drive
<ADDRESS2>
<CITY> Newark
<STATE> NJ
<ZIP> 07103
<LAW-FIRM>
<ATTORNEY>
<FILE-NUMBER>
<DOCUMENT-TYPE> RC
<PHONE-NUMBER> 973-555-7893
<DESCRIPTION> Email Comment
<CONTACT-EMAIL> jdoe@commercial.com
<TEXT> Dear FCC,
I don't want to pay more for my phone. Please remove the surcharge and let
competition rule. Thank you.
Joe

```

Template for your message:

```

-----
Subject: ECFS E-Mail Filing on ET Docket No. 03-104 on BPL
To: <ecfs@fcc.gov>
----body of text-----
ECFS - E-mail Filing

```

<PROCEEDING> 03-104
<DATE>
<NAME>
<ADDRESS1>
<ADDRESS2>
<CITY>
<STATE>
<ZIP>
<LAW-FIRM>
<ATTORNEY>
<FILE-NUMBER> see text below
<DOCUMENT-TYPE> CO
<PHONE-NUMBER>
<DESCRIPTION> Email Comment
<CONTACT-EMAIL>
<TEXT>

Dear FCC officer,

...

The End!

Date: Wed, 13 Aug 2003 21:09:31 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <n4xy@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156220] Re: Model airplane spans Atlantic!!!
Message-ID: <009401c36219\$ddccd940\$8b044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>
> I am amazed. This info via Bob, K3DJC. See their website including
> photos of the plane: <<http://tam.plannet21.com/>> . St. Johns,
> Newfoundland to near Alcock and Brown Monument, Round Stone Bog,
> Ireland! This was within 35 ft of the intended landing spot. Speed
> was 43-55mph. Pictures and telemetry data on website. Wow!
>

That's quite an accomplishment. I passed it along to a friend of mine in Australia, who replied that the very first crossing of the Atlantic by an unmanned craft was by an Australian group. Here's a URL for the story:

<http://www.aerosonde.com/drawarticle/4>

```

      ,-----'
    /   What's all this   \
  / extinct stuff, anyhow? /
 \       -----          \
- ||/
oo\
(--) \
     \   . ' .           \
     \   ' "             \
     \                   \
     \   ( )            \
     \   '-| )_-- :.    \
     |   | | | | \   '. h
c _; c _; ' -.' '>. _

```

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

We, JARL technical board on electromagnetic environment, are considering

how to contribute the ministry's plan.

72, Cosy

AR

de JH5ESM, Cosy MUTO

<http://www.qsl.net/jh5esm>

TU VA

Date: Wed, 13 Aug 2003 22:55:48 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [156222] Attention AmQRP "Homebrewer" Subscribers
Message-ID: <003b01c36228\$b8e95860\$1fdbd7a8@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have it from a very good source on the East Coast that it is time to start watching for a delivery from the American QRP Club in your mail boxes. Now you get to see what your \$20 gets you!!, grin, Seriously we really appreciate all of your support and patience as we get the new venture off the ground. Kudo's to George and all the contributors for this first issue of many to come. 72, Doug

Date: Thu, 14 Aug 2003 01:06:01 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [156223] Re: Model airplane spans Atlantic!!!
Message-ID: <01c401c3623a\$e6f2c180\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Yes, but the difference is between unmanned craft and a model airplane. To be a model airplane to the FAI, the total weight at takeoff must be 5kg or less (11 lbs). While not an insignificant feat in its own right, it's like they are QRP and these guys were QRPppp ;-)

Gary WA6DTX

----- Original Message -----

To: <qrp-1@lehigh.edu>
Subject: [156224] NK0E Serial CW Sender Kit
Message-ID: <000501c3625b\$ecb9c750\$08415344@TOMS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone come up with a way to use the Serial CW Sender with a Palm keyboard?

<http://www.njqrp.org/palmserialsender/index.html>

I use the GoType! keyboard with my Palm m515 and would like to try the combination with the Serial CW Sender. Unfortunately, Palm and Handspring devices use only one port.

Any ideas?

Tom

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Thu, 14 Aug 2003 06:55:09 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156225] Re: NK0E Serial CW Sender Kit
Message-ID: <000901c36263\$4ba22df0\$6801a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Tom,

You're not the first to have asked this question. I've looked into it quite a bit, and it just can't be done. The keyboard driver monopolizes the serial port, making it impossible to communicate with other devices. Even using the serial port for one and the IR port for another device doesn't work, since only one of those ports can be used at a time. The only way I can think of would be to write a custom driver that handles both the keyboard and the Sender, but I don't know how to do it. Sorry...

73 de Dave NK0E

Date: Thu, 14 Aug 2003 09:30:28 -0400
From: "AI2Q" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [156226] RE: Model airplane spans Atlantic!!!
Message-ID: <001101c36268\$3ada1f00\$7e01a8c0@hq.cmp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great accomplishment, to be sure----and ominous. This is reminiscent of the so-called Piper Cub attack that some low-life Islamic might try someday to deliver a weapon to our shores.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ed Tanton
Sent: Tuesday, August 12, 2003 10:23 PM
To: Low Power Amateur Radio Discussion
Subject: OT: Model airplane spans Atlantic!!!

I am amazed. This info via Bob, K3DJC. See their website including photos of the plane: <<http://tam.plannet21.com/>> . St. Johns, Newfoundland to near Alcock and Brown Monument, Round Stone Bog, Ireland! This was within 35 ft of the intended landing spot. Speed was 43-55mph. Pictures and telemetry data on website. Wow!

Date: Thu, 14 Aug 2003 09:37:07 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: Elecraft Reflector <elecraft@mailman.qth.net>,
QRP-L Reflector <qrp-l@lehigh.edu>

Subject: [156227] For Sale
Message-ID: <3F3B9083.5050809@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

For K2 (or K1?): KAF2 Audio Filter & Real Time Clock
Works perfectly, but replaced with DSP module
Someone suggested modifying it for use in K1 using rotary switch - great
idea, but no time here to try it...
Asking \$39 (1/2 kit cost), negotiable

For K1: KFL1-2 with 20 & 15 Meters
Also works perfectly, but replaced with 4-band module
Asking \$29 (1/2 kit cost), also negotiable

--

73, Bob Patten, N4BP Plantation, FL

E-Mail: n4bp@arrl.net Website: <http://www.qsl.net/n4bp>
QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

Date: Thu, 14 Aug 2003 09:44:16 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [156228] Re: Squegging PA
Message-ID:
<6D6463F31027B14FB3B1FB094F2C744703377E56@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> Coincidentally, I noticed something about this problem yesterday in =
the 2001
> Handbook (p. 13.27). A smidgeon of negative feedback using a series R =
and C=20
> between the collector and base should cure it. The NFB increases at =
lower=20
> frequencies, reducing the gain.

Talk about coincidences! I was reading the same advice in the 2002 =
Handbook

yesterday, and being puzzled. Doesn't the series C increase in =
impedance
as the frequency drops, so that the negative feedback would be =
reduced,
not increased? What am I missing?
-- Bill, AB1AV

Date: Thu, 14 Aug 2003 09:19:29 -0500
From: "K.C. Alewine" <kca@cfu.net>
To: <qrp-l@Lehigh.EDU>
Subject: [156229] Wilderness Radio?
Message-ID: <005a01c3626f\$1305e070\$0300a8c0@Laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I can't seem to get hold of Wilderness Radio. I'm interested in purchasing a NorCal 40 A transceiver and KC1 keyer from them and simply want to find out whether or not they have the items in stock. I've sent several emails to their email address qrpbob@datatamers.com and have also tried calling the telephone number (417-782-1397) listed at their website <http://www.fix.net/~jparker/wild.html> with no success. Maybe the info at the website is outdated? Maybe they're on vacation? Or maybe they're just busy? In any case, any info about Wilderness Radio would be appreciated - especially if you've recently purchased a kit from them.

Thanks.
KC, W0VP

Date: Thu, 14 Aug 2003 10:37:13 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: Elecraft Reflector <elecraft@mailman.qth.net>,
QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [156230] KAF2 Sold
Message-ID: <3F3B9E99.1090001@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Overwhelming response on this one!

KFL1-2 still available for \$29 (or best offer).

--

73, Bob Patten, N4BP Plantation, FL

E-Mail: n4bp@arrl.net Website: <http://www.qsl.net/n4bp>
QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

Date: Thu, 14 Aug 2003 07:38:14 PDT
From: Ken Brown <hfbeacons@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [156231] OT: Cellular phone antenna
Message-ID: <20030815.093353.7159.1.HFBEACONS@juno.com>

Cellular phone antenna
Ken Brown N4SO
Mobile, AL EM50tk
HFBEACONS@juno.com

Does anyone make a loop-yagi or yagi
cellular phone antenna?
I live in a rural area with the nearest cell phone
tower several miles away.

Ken Brown N4SO
Mobile, AL EM50tk
HFBEACONS@juno.com

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Thu, 14 Aug 2003 10:40:20 -0400
From: Peter Burbank <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156232] RE: Model airplane spans Atlantic!!!
Message-ID: <5.2.0.9.0.20030814103442.00a090b0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:30 AM 8/14/2003, AI2Q wrote:

>Great accomplishment, to be sure----and ominous. This is reminiscent of the
>so-called Piper Cub attack that some low-life Islamic might try someday to
>deliver a weapon to our shores.

>

>Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687

><http://users.adelphia.net/~alexmm/ai2q.htm>

Alex'

That was a poor choice of words.Low life terrorist would have been the
proper choice.

I know 2 Islamic engineers and they are far from being low life.

Pete NV4V

Date: Thu, 14 Aug 2003 11:14:14 -0400
From: Jimmy Lee <jrllaudio@bellsouth.net>
To: kca@cfu.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156233] Re: Wilderness Radio?
Message-ID: <3F3BA746.EB84D3B0@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I can not tell you about now but I have one it is a nice rig and the service
from Wilderness Radio was very good.

Jimmy, AE4DT

"K.C. Alewine" wrote:

> I can't seem to get hold of Wilderness Radio. I'm interested in purchasing a
> NorCal 40 A transceiver and KC1 keyer from them and simply want to find out
> whether or not they have the items in stock. I've sent several emails to
> their email address qrpbob@datatamers.com and have also tried calling the
> telephone number (417-782-1397) listed at their website
> <http://www.fix.net/~jparker/wild.html> with no success. Maybe the info at the
> website is outdated? Maybe they're on vacation? Or maybe they're just busy?
> In any case, any info about Wilderness Radio would be appreciated -
> especially if you've recently purchased a kit from them.

>

> Thanks.

> KC, W0VP

Date: Thu, 14 Aug 2003 15:17:02 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: william.noyce@hp.com, qrp-1@Lehigh.EDU
Subject: [156234] Re: Squegging PA
Message-ID: <Law15-F35cwe5jpBMXx00053700@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Noyce, Bill" <william.noyce@hp.com>
>Reply-To: william.noyce@hp.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Squegging PA
>Date: Thu, 14 Aug 2003 09:44:16 -0400
>
> > Coincidentally, I noticed something about this problem yesterday in the
>2001
> > Handbook (p. 13.27). A smidgeon of negative feedback using a series R
>and C
> > between the collector and base should cure it. The NFB increases at
>lower
> > frequencies, reducing the gain.
>
>Talk about coincidences! I was reading the same advice in the 2002
>Handbook
>yesterday, and being puzzled. Doesn't the series C increase in impedance
>as the frequency drops, so that the negative feedback would be *reduced*,
>not increased? What am I missing?

Good point, I hadn't noticed that! Can anyone else resolve this mystery?

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Tired of 56k? Get a FREE BT Broadband connection
<http://www.msn.co.uk/specials/btbroadband>

Date: Thu, 14 Aug 2003 09:49:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Thom LaCosta <baltimoremd@baltimoremd.com>
Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156235] Re: Germany drops Morse requirement
Message-ID: <Pine.LNX.4.33.0308140947550.3481-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I guess we'll have a new "Q" signal soon eh!?...
"QBP" and "QBP?"... ;-)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 14 Aug 2003 11:36:42 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <leon_heller@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156236] Re: Squegging PA
Message-ID: <000801c36293\$031aabe0\$9d714b43@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Leon-

I've seen the squegging driver behavior on occasion- it's an overdrive 'thing'. The most likely cause is a reverse-breakdown at one of the transistor junctions, which in turn causes a capacitance to charge and discharge. Those charge and discharge rates are not identical and the effect appears as a lower-frequency oscillation. It's a non-linear behavior, so the feedback trick may not be intuitively obvious.

Interestingly (or not), this squegging behavior is used to good effect in the superregenerative detector. The classic regenerative detector is modified

by adding an R-C network in the emitter/source path. The charge/discharge characteristics put the detector right on the edge of conduction, the most sensitive detection point, or more accurately, take it in and out of oscillation at a supersonic frequency.

73- Dave Benson, K1SWL

>From: "Noyce, Bill" <william.noyce@hp.com>
>Reply-To: william.noyce@hp.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Squegging PA
>Date: Thu, 14 Aug 2003 09:44:16 -0400
>
> > Coincidentally, I noticed something about this problem yesterday in the
>2001
> > Handbook (p. 13.27). A smidgeon of negative feedback using a series R
>and C
> > between the collector and base should cure it. The NFB increases at
>lower
> > frequencies, reducing the gain.
>
>Talk about coincidences! I was reading the same advice in the 2002
>Handbook
>yesterday, and being puzzled. Doesn't the series C increase in impedance
>as the frequency drops, so that the negative feedback would be *reduced*,
>not increased? What am I missing?

Good point, I hadn't noticed that! Can anyone else resolve this mystery?

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Tired of 56k? Get a FREE BT Broadband connection
<http://www.msn.co.uk/specials/btbroadband>

Date: Thu, 14 Aug 2003 11:51:42 -0400
From: "AI2Q" <ai2q@adelphia.net>
To: <peterlee@qx.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [156237] RE: Model airplane spans Atlantic!!!
Message-ID: <000701c3627b\$f58772e0\$7e01a8c0@hq.cmp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My first choice of words was rejected twice by the list server! I guess I didn't edit this third posting closely enough Pete. Oh well, too bad. I hope you got the idea.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
<http://users.adelphia.net/~alexmm/ai2q.htm>

..-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Peter Burbank
Sent: Thursday, August 14, 2003 10:40 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Model airplane spans Atlantic!!!

At 09:30 AM 8/14/2003, AI2Q wrote:

>Great accomplishment, to be sure----and ominous. This is reminiscent of the
>so-called Piper Cub attack that some low-life Islamic might try someday to
>deliver a weapon to our shores.

>

>Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
><http://users.adelphia.net/~alexmm/ai2q.htm>

Alex'

That was a poor choice of words. Low life terrorist would have been the proper choice.

I know 2 Islamic engineers and they are far from being low life.

Pete NV4V

Date: Thu, 14 Aug 2003 09:11:50 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [156238] RE: Squegging PA
Message-ID: <000701c3627e\$c747d200\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Got a lot of useful responses to this question, thanks to all who replied.

The essence of most of the suggested fixes is to reduce the gain at low frequencies while retaining the gain at the desired frequency. They include adding an inductor across the input to shunt low frequency signals, reducing the inductance of the choke in the output circuit, and variations on these.

The idea of increasing negative feedback as frequency is appealing but the circuit noted by Leon appears to increase feedback with frequency, and hence would reduce problems with high-frequency, not low-frequency, oscillation. Similarly with shunting chokes to reduce their Q (again at high frequency).

I tried a couple of these suggestions, without total success. If I do manage to get rid of the low frequency oscillations, it is at the expense of overall gain. I can see the frequency and shape of the low frequency oscillation change (it's now at about 3.5MHz).

Also for possible current loops but although I rerouted the power feed to be very close to the output stage, I didn't see any change.

Have to return the borrowed 'scope - I wouldn't stand a chance on this project without the ability to see some of what's happening at 'wrong' frequencies! - and am going to be MD/K3IMW/P for a few weeks, so reluctantly have to shelve this project for the moment. But I will open up the project case when I return.

Thanks for the tips.

72 de ian, K3IMW/6

ps. I think my original title was wrong. "Squegging" takes place when an oscillator runs, and changes the bias conditions, which then quenches the oscillations. A relaxation process takes place and then oscillation begins again. So you get periodic bursts of oscillation (as in a superregenerative Rx).

Date: Thu, 14 Aug 2003 12:27:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hfbeacons@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156239] Re: Cellular phone antenna
Message-ID: <002501c36280\$f26a6220\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Cellular phone antenna
> Ken Brown N4SO
> Mobile, AL EM50tk
> HFBEACONS@juno.com
>
> Does anyone make a loop-yagi or yagi
> cellular phone antenna?
> I live in a rural area with the nearest cell phone
> tower several miles away.

"Everything Wireless" used to carry them. But I think they just
changed their name. I'll have to find their new name and let you
know.

Mike

Date: Thu, 14 Aug 2003 13:09:14 -0400
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [156240] The last items for sale list
Message-ID: <20030814130914.323e1561.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

This will be my last "items for sale" list as my shack will be pretty much down to minimums after this. All prices are plus shipping and insurance unless otherwise noted.

- 1) Alinco DX-70TH, 100W HF & 6m xvcvr, reduces to QRP power levels (5 or 10W) with a button and/or switch, much like the old Ten Tec Argosy. With the EDC-9 mobile bracket and EDS-4 separation kit. \$400.
- 2) JIM MX-7S(T) 40m 2W SSB/CW handheld transceiver, with speaker mic. and case, in pretty much mint condition. \$200.
- 3) JIM CW-2S sidetone/QSK unit for JIM, Mizuho, and AEA DX-Handy handheld transceivers, \$50. Buy both #2 and #3 and I pay shipping.
- 4) Ten Tec (T-Kit) 1254 receiver, built and working. \$125.
- 5) Jim (Santec) T-One 8W 10m FM mobile/portable transceiver. \$100.
- 6) Mizuho KX-3 Sky Coupler antenna tuner for QRP or SWL/BCL. \$60.
- 7) Extra Mizuho BM-6 cases for JIM, Mizuho, or AEA DX-Handy transceivers. One new in the unopened packaging for \$15, one used for \$10.
- 8) JIM AN-28 10m loaded telescopic antenna for JIM MX-28S(T), Mizuho MX-28S, or AEA DX-Handy 10 MX-28S handheld SSB/CW transceivers, new in the unopened package, \$20.
- 9) Two 50' RG-8U coax runs, used but in great condition, with PL-259s on each end. \$10, pickup only in the Raleigh/Durham area.
- 10) New in the unopened package Antron 17m mobile antenna, identical to hamstick. Pickup only, \$15.

Photos of most items and many more details can be seen at <http://www.mizuhoradio.com/personal/k7vo/forsale.html> Payment by postal money order, US or Canada only.

Thanks and 73,
Caity
K7VO

Date: Thu, 14 Aug 2003 13:49:52 -0400
From: "Tom Bowman" <wa3rey@comcast.net>
To: <qrp-1@lehigh.edu>

Subject: [156241] 13.8 VDC needs bleeder resistor?

Message-ID: <000501c3628c\$770b2b30\$08415344@TOMS>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I built an LM723 regulated 13.8 VDC power supply, 10 amps or so using
this schematic

<http://www.rason.org/Projects/powsupply/powsupply.htm>

Any idea what size bleeder resistor to us across the output cap?

I've seen some as low as 100 ohms but that would draw 138 ma which seems
like a waste.

I was thinking of something in the area of 750 ohm to 1 K?

Any ideas?

Tom

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Thu, 14 Aug 2003 13:03:04 -0500

From: "Jim N0UR" <n0ur@comcast.net>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [156242] FOX; Final log N0ur

Message-ID: <000701c3628e\$4f55b180\$0200a8c0@ce1.client2.attbi.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well this should be it. Thanks again!

2200	K5DI	559 559 NM KARL 5W
2201	W5TB	559 559 TX DOC 5W
2202	K5JHP	559 559 TX BILL 5W
2202	W5YR	559 559 TX GEORGE 5W
2203	K4MF	579 579 FL GARY 5W
2204	AC7A	559 559 AZ TOM 5W

2204	N5ZE	559	559	TX	LEW	5W
2206	KK5NA	559	559	TX	JOE	5W
2208	W0EB	559	559	KS	JIM	5W
2209	K5EOA	579	559	LA	WAYNE	5W
2209	AA50	559	559	LA	VERN	5W
2210	AF4LQ	559	559	KY	MIKE	5W
2212	VA6MJT	579	579	AB	MIKE	5W
2212	K5SR	559	559	TX	DALE	5W
2213	WA8BXN	559	559	OH	MIKE	5W
2215	N3BJ	579	559	VA	ALAN	5W
2216	W5KDJ	579	559	TX	WAYNE	75MW!!
2218	K0SQ	599	599	MN	CHUCK	5W
2219	KG6WP	559	559	CA	HOWARD	5W
2221	NN5E	559	559	TX	VERN	5W
2222	N5YFC	559	559	LA	WAYNE	5W
2223	K0FRP	559	579	CO	AL	5W
2223	W5JAY	579	599	AR	JAY	1W
2224	AG4PJ	559	559	AL	DAVE	5W
2226	W7ILW	559	559	AZ	WALT	5W
2229	N0JRN	599	559	MO	JERRY	5W
2232	AD6JV	559	559	VA	BILL	5W
2235	W6AZ	559	559	CA	RON	5W
2238	C02HA	559	559	CUBA	FRANK	5W
2239	WA7LNW	559	559	UT	JACK	5W
2241	NV5D	559	559	TX	MARTIN	5W
2250	AF4PP	559	559	GA	CHUCK	5W
2255	N0TK	559	559	CO	DAN	5W
2259	N5IB	559	559	LA	JIM	5W
2303	N5FFF	559	559	LA	WAYNE	5W
2304	AA7EQ	579	559	AZ	BOB	5W
2313	W2KJ	579	569	NC	JOE	5W
2314	NK6A	559	559	CA	DON	5W
2316	N0EVH	559	559	MO	JOHN	1W
2320	W4NJK	559	559	CA	CHARLIE	5W
2322	N1TP	579	599	FL	TOM	5W
2324	K7TQ	559	559	ID	RANDY	100MW
2328	AB9CA	559	559	AL	DAVE	5W
2330	N1FN	599	599	CO	ET FOX	
2330	N0UR	599	599	MN	JIM FOX	

Date: Thu, 14 Aug 2003 14:34:09 -0400
 From: WAYNE SMITH <k8ff@juno.com>
 To: qrp-1@lehigh.edu
 Subject: [156243] FS: TS 570D/G

Message-ID: <20030814.143409.3328.0.K8FF@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Efforts to reduce the volume of stuff in the hamshack have forced me to reluctantly offer up my TS 570D/G. The rig has been used as a backup rig since new and most of the time at 5 watts. It comes with the original cartons and accessories, in addition it has an Inrad 400hz CW filter and factory autotuner. I will ship CONUS UPS for a postal money order in the amount of \$725.00

I am not interested in trades, only cash!

Regards, Wayne K8FF

Date: Thu, 14 Aug 2003 14:35:52 -0400

From: James Stamper <jstamper@shentel.net>

To: qrp-l@Lehigh.EDU

Subject: [156244] HT connector adaptor??

Message-ID: <5.2.1.1.2.20030814143356.00b7f740@pop.shentel.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anybody know of a source for an adapter that screws into the small rubber duckie connector on an HT to allow mating with a BNC connector?

jim-
KG4LDY

Date: Thu, 14 Aug 2003 14:53:01 -0400

From: "Altenburg, Robert" <raltenburg@state.pa.us>

To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [156245] RE: HT connector adaptor??

Message-ID: <0BC4355D47F2A943BDDD2FFD1AA009F0678FAC@hbgpri50.pa.lcl>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

It's the SMA to BNC connector. Giga-parts has them for \$14.90, and I've seen them as low as \$11.00 elsewhere, although I can't remember the site.

You also see them at hamfests from \$4.00 to \$8.00 (plus the fee to get in

the
hamfest.) Oddly enough, Radio Shack has been selling HTs that use the SMA
for years, but doesn't carry the connector.

-

Rob (N3HJV)

> -----Original Message-----

> From: James Stamper [mailto:jstamper@shentel.net]

> Sent: Thursday, August 14, 2003 2:36 PM

> To: Low Power Amateur Radio Discussion

> Subject: HT connector adaptor??

>

>

> Does anybody know of a source for an adapter that screws into

> the small

> rubber duckie connector on an HT to allow mating with a BNC connector?

>

> jim-

> KG4LDY

>

Date: Thu, 14 Aug 2003 15:45:02 -0400

From: K7VO <k7vo@earthlink.net>

To: qrp-l@lehigh.edu

Subject: [156246] Items sold, still available

Message-ID: <20030814154502.64060597.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Hi, everyone,

The JIM MX-7S(T), JIM AN-28, JIM CW-2S, Mizuho BM-6 cases, and Mizuho
KX-3 Sky Coupler are all SOLD. Thank you!

The following items are still available:

Alinco DX-70TH

JIM T-One

Ten Tec 1254

Details are still at

<http://www.mizuhoradio.com/personal/k7vo/forsale.html>

Thanks and 72/73,

Caity
K7V0

Date: Thu, 14 Aug 2003 15:55:36 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-1@Lehigh.EDU
Cc: ARDUJENSKI@aol.com
Subject: [156247] AOL 8.0 and HTML
Message-ID: <3F3BE938.6000402@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Gang,

Anybody know how to turn-off the sending of HTML with AOL 8.0 and make it send plain text?

73
Jim N3VXI

Date: Thu, 14 Aug 2003 12:50:48 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <peterlee@qx.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156248] Re: Model airplane spans Atlantic!!!
Message-ID: <006201c3629d\$5caaf0c0\$93024bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>
> > Great accomplishment, to be sure----and ominous. This is reminiscent
> > of the so-called Piper Cub attack that some low-life Islamic might
> > try someday to deliver a weapon to our shores.
> >
>
>
> That was a poor choice of words. Low life terrorist would have been the
> proper choice.

I know of a number of engineers who would have to improve to be considered low life. :{)

[illegible]

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

SMA (male) to BNC is what you'll want. Buck has given me good service so far.

72/73,

Don AE5K

On 14 Aug 2003 at 14:35, James Stamper wrote:

> Does anybody know of a source for an adapter that screws into the small
> rubber duckie connector on an HT to allow mating with a BNC connector?
>
> jim-
> KG4LDY
>

Date: Thu, 14 Aug 2003 16:03:57 -0400
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [156250] Mizuho KX-3 available (again!)
Message-ID: <20030814160357.4e9438c0.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi,

The buyer for the Mizuho KX-3 Sky Coupler backed out. (No comment.)
It's available again. Details are at:
<http://www.mizuhoradio.com/personal/k7vo/kx3.html>

Sorry for the extra bandwidth. Please send replies to me, not the list.

73,
Caity
K7VO

Date: Thu, 14 Aug 2003 16:10:02 -0400
From: Steve.Lawrence@itwfeg.com
To: rohre@arlut.utexas.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156251] Re: Emergency comms by hams now given new international standing
by WARC & BPL
Message-ID: <0F1DA7B354.2EED36DF-0N85256D82.006E7FE3-85256D82.006EC729@itwfeg.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I wonder if the case could be made that BPL inhibits or precludes our ability to perform this service, and therefore BPL is illegal?

Just trying to think of new angles...

73,
Steve
aa8af

"Stuart Rohre" <rohre@arlut.utexas.edu>
Sent by: owner-qrp-l@Lehigh.EDU
08/13/2003 09:11 PM
Please respond to rohre

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: Emergency comms by hams now given new
international standing by WARC

While some licensing authorities in the past may not have used the service aspect of amateur radio, they now have an incentive in the new regulations just passed by the WARC conference. See the part about facilitating international emergency communications. All licensing authorities signed on to this at the summer meeting.

72,
Stuart
K5KVH

Date: Thu, 14 Aug 2003 16:16:47 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [156252] Re: HT connector adaptor??
Message-ID:

<6D6463F31027B14FB3B1FB094F2C744703377E5D@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

KC2BH0 makes some nice ones with a rubber base that gives
mechanical support, rather than stressing the SMA connector.
See <http://www.wa3hrl.com/smabnc/>

-- Bill, AB1AV

Date: Thu, 14 Aug 2003 16:14:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Tom Bowman" <wa3rey@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156253] Re: 13.8 VDC needs bleeder resistor?
Message-ID: <002e01c362a0\$a758a600\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I built an LM723 regulated 13.8 VDC power supply, 10 amps or so using
> this schematic
> <http://www.rason.org/Projects/powsupply/powsupply.htm>
>
> Any idea what size bleeder resistor to use across the output cap?
>

Hmm, if I remember how the 723 works, I don't think you even NEED
a bleeder on it.

However, it's always a good idea to make sure your output caps drain
off faster than your input caps. Just in case the thing turns off and
back
on quickly you don't want the output higher than input.

So, just turn it off and see what value of resistor makes your output
cap bleed down to keep it's voltage just a bit below the input caps.

I'll bet it can be as high, maybe higher, than 1K. Depends on what
the 723 draws to actually operate. Have to look at a spec sheet...

Mike

Date: Thu, 14 Aug 2003 13:23:06 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [156254] Re: AOL 8.0 and HTML
Message-ID: <20030814.132306.-353001.2.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And for that matter JUNO 5? As soon as I type a hyper-link (e.g. a URL) into a JUNO message, the entire message gets converted to HTML encoding which the list server doesn't like. (Jim E. helped me discover why some of my messages weren't making it to the list. TNX AGN Jim)

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

On Thu, 14 Aug 2003 15:55:36 -0400 Jim Eshleman writes:

> Gang,
>
> Anybody know how to turn-off the sending of HTML with AOL 8.0 and
>
> make it send plain text?
>
> 73
> Jim N3VXI
>
>
>

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Thu, 14 Aug 2003 16:26:01 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [156255] Simple SSB rig with PTT.

Message-ID: <3.0.6.32.20030814162601.007c7b50@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Inspired somewhat by the "unkown ham from Idaho" minimalist SSB rig, I decided last night to try and build something similer, but with real PTT T/R switching, instead of those clumsy DPDT switches.

To switch the crystal filter between the inputs and outputs of the SA-612's I use a 74HC4053 analog mulitplexer, an idea I've been wanting to try for some time now. Happy to say it works FB.

I also changed the trasmitter driver circuits and added a 5 watt IRF-510 power amp stage. Only thing not shown on the schematic is a VFO, which I'll leave up to you. I'll probably use a TRF-4400 chip and divider. The TRF-4400 is a 440 MHz VCO/PLL tuned by a DDS reference oscillator, but I use it at 200 MHz and divide it down to what ever. The advantage is one can then build the rig for vertually any band :-)

Anyway, the schematic and some notes can be found at
<<http://www.qsl.net/kd1jv/SSB.HTM>>
or linked as usual from the home page.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 14 Aug 2003 16:17:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jstamper@shentel.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156256] Re: HT connector adaptor??
Message-ID: <004b01c362a1\$821b74c0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Does anybody know of a source for an adapter that screws into the small
> rubber duckie connector on an HT to allow mating with a BNC connector?
>
> jim-
> KG4LDY

Radio Shack sells them, or can order them, depending on what the HT is.

But I recommend DO NOT get the 'one piece' adapters. If you mean to use an antenna with BNC on the thing, think it over carefully. With an antenna on a BNC on the end of a 'solid' adapter, you may be stressing the case something fierce.

Also, even if you're just going to BNC cable, or BNC to PL, adapters can put a LOT of physical mechanical stress on the HT with adapters. RS sells SMA to BNC adapters that are a short length of coax. MUCH less stress on the HT innards.

Mike

Date: Thu, 14 Aug 2003 16:18:49 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <raltenburg@state.pa.us>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156257] Re: HT connector adaptor??
Message-ID: <004c01c362a1\$863b5d40\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It's the SMA to BNC connector. Giga-parts has them for \$14.90, and I've
> seen them as low as \$11.00 elsewhere, although I can't remember the
site.
>
> You also see them at hamfests from \$4.00 to \$8.00 (plus the fee to get
in
> the
> hamfest.) Oddly enough, Radio Shack has been selling HTs that use the
SMA
> for years, but doesn't carry the connector.
>
> -
> Rob (N3HJV)

Radio Shack doesn't sell the 'solid' adapter that is one-piece, but they DO sell an adapter that is a short length of coax.

Using the small one-piece adapters is not recommended anyway since

that can lead to busted mounts in a lot of the small and fragile HTs.

Mike

Date: Thu, 14 Aug 2003 20:47:04 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [156258] Homebrewer & ARRL Contest Award
Message-ID: <Law15-F810mvEOSBzxu00054a13@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Did you ever have a day at work where everything went wrong? I did today, but it improved ten fold when I got home and opened the mail box. Inside where two large envelopes. One had the first issue of the homebrewer, The Journal of the American QRP club, and the other had the certificate for "First Place, Single Operator Phone Only, QRP Virginia Section" of the 2002 ARRL 10-meter contest. What a way to end a bad day.

The Homebrewer, worth the wait. Great job guys. If yours has not arrived yet, it is worth the wait.

Hope the bands are bad tonight, I got some reading to do.

73, Bill kc4atu

Add photos to your messages with MSN 8. Get 2 months FREE*.
<http://join.msn.com/?page=features/featuredemail>

Date: Thu, 14 Aug 2003 16:24:21 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156259] Re: Squegging PA & NFB Vs frequency
Message-ID: <006901c362bb\$30c74d00\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This occurred to me as it did to several others, and got me to thinking about what NFB arrangement *would* give more NFB as the frequency falls. I

guess one answer would be the bypassed emitter resistor. Since gain is related to collector load divided by the 'unbypassed' part of the emitter resistor, gain will drop as the bypass capacitor "goes away", as frequency is reduced.

72--Nick, WA5BDU

----- Original Message -----

From: "Noyce, Bill" <william.noyce@hp.com>

>

> Talk about coincidences! I was reading the same advice in the 2002 Handbook

> yesterday, and being puzzled. Doesn't the series C increase in impedance as the frequency drops, so that the negative feedback would be *reduced*, > not increased? What am I missing?

> -- Bill, AB1AV

Date: Thu, 14 Aug 2003 17:51:14 -0400

From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [156260] RE: Homebrewer & ARRL Contest Award

Message-ID: <ODE0IKLMAJFGCNMOGAGIIEJCDGAA.bowerm@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Yes, it's definitely worth the wait.

However, IF you haven't received yours today, you should DEFINITELY come home early tomorrow to see if you got it. Justifiable in my mind.

But I'm not your boss. YMMV

<grin>

Great jobs. I like the cover and size. Well done.

Michael N4NMR

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of

> Bill Rowlett
> Sent: Thursday, August 14, 2003 4:47 PM
> To: Low Power Amateur Radio Discussion
> Subject: Homebrewer & ARRL Contest Award
>
>
> Did you ever have a day at work where everything went wrong? I did today,
> but it improved ten fold when I got home and opened the mail box. Inside
> where two large envelopes. One had the first issue of the homebrewer, The
> Journal of the American QRP club, and the other had the certificate for
> "First Place, Single Operator Phone Only, QRP Virginia Section"
> of the 2002
> ARRL 10-meter contest. What a way to end a bad day.
>
> The Homebrewer, worth the wait. Great job guys. If yours has not arrived
> yet, it is worth the wait.
>
> Hope the bands are bad tonight, I got some reading to do.
>
> 73, Bill kc4atu
>
>
> -----
> Add photos to your messages with MSN 8. Get 2 months FREE*.
> <http://join.msn.com/?page=features/featuredemail>
>
>

Date: Thu, 14 Aug 2003 17:47:51 -0400
From: "Larry Przyborowski" <k3peg@comcast.net>
To: <ki6ds@dospalos.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156261] Re: Attention AmQRP "Homebrewer" Subscribers
Message-ID: <00a201c362ae\$6e00e5d0\$6401a8c0@K3PEGMOBILE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Doug,
WOW! I got my "Homebrewer" magazine today; it's very well done and I like
the large format a lot. Yes, I agree, "Kudo's to George and all the
contributors for this first issue of many to come."

72 de Larry - K3PEG

I'm listening to the CBS news, and just learned that the massive power outage back east coincides with a massive solar flare. It might be just a coincidence, but does anyone have any details about this?

[illegible]

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

----- Original Message -----

```
> My first choice of words was rejected twice by the list server! I guess I
> didn't edit this third posting closely enough Pete. Oh well, too bad. I
hope
```

```
>  
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
> http://users.adelphia.net/~alexmm/ai2q.htm  
>  
> .-.-.
```

```
>
> -----Original Message-----
```

> From: owner-grp-1@Lehigh.EDU [mailto:owner-grp-1@Lehigh.EDU] On Behalf Of

> Peter Burbank
> Sent: Thursday, August 14, 2003 10:40 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Model airplane spans Atlantic!!!
>
>
> At 09:30 AM 8/14/2003, AI2Q wrote:
>
>
> >Great accomplishment, to be sure----and ominous. This is reminiscent of
the
> >so-called Piper Cub attack that some low-life Islamic might try someday
to
> >deliver a weapon to our shores.
> >
> >Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
> ><http://users.adelphia.net/~alexmm/ai2q.htm>
>
> Alex'
> That was a poor choice of words.Low life terrorist would have been the
> proper choice.
> I know 2 Islamic engineers and they are far from being low life.
> Pete NV4V
>
>
>

End of QRP-L Digest 3012

